# TICKHILL

# URBAN DISTRICT COUNCIL.

# MEDICAL OFFICER'S REPORT.

**C. J. RUSSELL McLEAN, M.D., D.P.H.,**

MEDICAL OFFICER OF HEALTH.

PRESENTED JANUARY, 1906

Doncaster:

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# Tickhill Urban District Council.

# ANNUAL REPORT

## OF THE MEDICAL OFFICER OF HEALTH,

## 1905.

***To the Chairman and Members of the***

# Tickhill Urban District Council.

GENTLEMEN,

I have the honour to submit to you my Report on the Health and Sanitary condition of your district for the year 1905.

The district comprises an area of 5,578 acres.

| | |
|---|---|
| Inhabited houses number ... ... | 440 |
| Empty , ,, ... ... ... | 13 |
| Total ... | 453 |

| | |
|---|---|
| New houses built during the year ... | 1 |
| Population of district (Census 1901) ... | 1565 |
| Do. estimated 1st July, 1905 ... | 1555 |
| Average number of persons per house ... | 3·5 |
| Do. do. do. ... (Yorkshire) | 4·7 |
| Do. do. do. per acre ... | 0·27 |
| Do. do. do. ... (Yorkshire) | 0·92 |
| Gross estimated Rental, March, 1905 ... | £9982 |
| Rateable Value, Agricultural Land . . | £4442 |
| Do. do. Buildings, &c. ... | £4403 |
| Total ... | £8845 |

The District Rate for the year was 2/6 per £.
The Poor Rate (Land) ,, ,, 1/6 ,,
Do. do. (Buildings, etc.) ,, 3/- ,,

***ALTITUDE.***—The height above sea level of Bench Mark (Broad Arrow) on Church is 60·6 feet.

***INDUSTRY.***—Agriculture.

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## VITAL STATISTICS.

### *POPULATION.*

The population of the district is practically stationary. At the Census of 1901 it was 1,565, and to 1st July, 1905, I estimate it to be 1,555.

The "*natural*" increase in the population, that is the excess of births over deaths, was 13. In the year previous the deaths were actually in excess of the births, whilst in the year prior to that the increase in the births was only 4. This year, therefore, we have a satisfactory increase.

## *BIRTHS.*

There were 33 births registered during the year, of which 13 were males and 20 females, yielding a *birth-rate of 21·2* per 1,000 persons living. In 1904 there were 28 births, and in 1903 there were 34.

The rate for rural England was 26·3.

Of the births last year, 3 were illegitimate.

## *DEATHS.*

There were 20 deaths registered, 15 males and 5 females, yielding a *death-rate of 12·8 per 1,000.* It is interesting to note the excess of males over females. The number of deaths in the two preceding years were, 30 in 1904, and 32 in 1903. It is satisfactory to find the number for this year so much lower.

*Corrected Death Rate.*—The number of deaths corrected for residents and non-residents in the district is 21, yielding a true or correct death-rate of 13·4 per 1,000.

The rate for rural England was 14·9.

## *INFANTILE DEATH RATE.*

There were registered 6 deaths in infants under one year old, which calculated on the number of births (33) yields an *infantile death-rate of 181.* This figure looks high, but if the deaths of three children born prematurely are excluded in making the calculation, we would then have a mortality rate of only 90 per 1,000, which is much below the average.

The rate for rural England was 113.

*See Table I. for comparison of the rates with former years.*

### *MEAN AGE AT DEATH.*

Owing to the deaths in infants the average age is low, viz., 32 years. Last year it was 49, and in the year previous 37.

Two persons reached the age of 80 years.

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## CAUSES OF DEATH.

*I. ORDINARY DISEASES* caused all of the 20 deaths, equal to 12·8 per 1,000.

*II. EPIDEMIC OR PREVENTIBLE DISEASES* did not cause a single death during the year. In the previous year there were 3 deaths.

### *I. ORDINARY DISEASES.*

Of the deaths this year, 3 were due to Pneumonia, 2 to Bronchitis, 2 to Heart Disease, 1 to Cancer, 2 to Accident, 3 to Premature Birth, and 7 to other affections.

For the second year in succession there were no deaths reported from consumption of the lungs.

### *II. EPIDEMIC OR PREVENTIBLE DISEASES.*

It is very satisfactory to be able to report the total absence of any death from the Infectious Diseases. This must seldom occur, as under this heading are included deaths from Summer Diarrhœa in children, and it must be rare indeed that no mortality results from this affection. Last year there were 3 deaths, and in the year previous to that there were 7 deaths reported. Epidemic Influenza was prevalent in Spring, but not to the extent of former years—no death resulted.

## *INFECTIOUS DISEASES (NOTIFICATION) ACT,*

There were only 3 cases notified during the year, viz , one from Diphtheria in Westgate, and 2 cases of Erysipelas. The occurrence of these latter cases are of no importance. No further case of Diphtheria occurred.

There was a total absence of Scarlet Fever and Typhoid Fever. The former affection has been prevalent in the surrounding districts, as was also Small Pox in the beginning of the year.

## *ISOLATION HOSPITAL.*

I congratulate the Council on making arrangements for the isolating of infectious cases,—including Small Pox—with a neighbouring authority, viz , with the Doncaster Rural and Mexborough Joint Hospital Board. This method will, I am sure, be the most economical and efficient one which could have been adopted. The case of Diphtheria above mentioned was removed to hospital, and kept there for seven weeks.

## *WATER SUPPLY.*

I again recommend the Council to consider the the water supply of the township, and would point out the advisability of replacing the present shallow well system,—which can never be considered a safe method of supply—by some other safer method, such as deep bore wells.

## *DRAINAGE AND SEWERAGE.*

There has been no extension of the Sewage system during the year, but I am glad to be able to report that satisfactory drainage connections have been made in some cases, and trust that other similar work may be carried out in connection with other property.

The old brick sewer in Castlegate should also have your consideration.

## *SEWAGE DISPOSAL WORKS.*

These have worked satisfactorily during the year, and no complaints have been made regarding the quality of the sewage effluent. Three good crops of grass have been obtained, showing that the land is in good order. A small sum, however, expended now on the distributing drains at points when they are defective, might save the expenditure of a much larger sum in the near future. The sludge has been recently removed from the collecting tank, and considering the amount of sewage which has passed through it, the amount of sludge is small. The system works well.

## *SCAVENGING.*

I have mentioned in previous reports the advisability of the Council undertaking this work, and still think that more effectual cleansing of ashpits and closets would result if the Council did so.

## *LODGING HOUSES (2).*

These premises have been inspected from time to time. The one in Back Lane is ill-adapted for such a purpose. In November I found the place seriously overcrowded, there being seven men lodgers in the house, whilst the accommodation and space is only sufficient for three. The owner was notified that such a condition of affairs must not be repeated.

## *SLAUGHTER HOUSES.*

All of these premises with one exception have been altered to bring them into compliance with the requirements. The owner of the one referred to has

promised to make the necessary alterations. A "Register" should now be made out of all premises This is a legal necessity. The premises are in good condition generally.

### *WORKSHOPS.*

The eight workshops in the town are in good condition, and comply with requirements.

I recommend the adoption of the following Acts, which are now almost universally in force in the country :—

1. The Public Health (Amendment) Act, 1900. Part iii.
2. The Infectious Diseases Prevention Act, 1900.

The Sanitary Inspector's Report and the usual Table of Statistics are appended.

I am, Gentlemen,

Your obedient Servant,

**Chas. J. R. McLean, M.D., D.P.H.,**

Medical Officer of Health.

Ancroft," Doncaster,

8th January, 1906.

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## TABLE I.

ANNUAL RATES.

| | Previous 10 years average. | 1901 | 1902 | 1903 | 1904 | 1905 |
|---|---|---|---|---|---|---|
| Population ..... ..... | ... .. | 1565 | 1562 | 1560 | 1558 | 1555 |
| Number of Births ..... ..... | ..... | 37 | 35 | 34 | 28 | 33 |
| Birth Rate per 1,000 people living ..... ..... | 23·6 | 23·6 | 22·4 | 21·7 | 17·9 | 21·2 |
| Number of Deaths (corrected) ..... | ..... | 17 | 26 | 32 | 37 | 21 |
| Death Rate per 1,000 (corrected) ..... | 19·0 | 11·0 | 16·6 | 20·4 | 23·7 | 13·4 |
| Phthisis (Consumption of the Lungs) Rate ..... | ..... | ..... | 1·28 | ·64 | 0·0 | 0·0 |
| Epidemic (Infectious) Death Rate ..... | ..... | ..... | ·64 | 4·4 | 1·9 | 0·0 |
| Infantile Death Rate..... | 146 | 80 | 57 | 147 | 250 | 181 |

## TABLE II.

QUARTERLY RATES.

| | No. of Births. | Birth Rate per 1,000. | No. of Deaths. | Death Rate per 1,000. | Infantile Death Rate per 1,000 Births. | Phthisis Death Rate. | Epidemic Death Rate. |
|---|---|---|---|---|---|---|---|
| 1st Quarter, 1905 | 6 | 15·4 | 6 | 15·4 | 0 0 | 0 0 | 0·0 |
| 2nd Quarter 1905 | 7 | 18·0 | 9 | 23·1 | 200·0 | 0·0 | 0 0 |
| 3rd Quarter, 1905 | 5 | 12·8 | 1 | 2·5 | 0 0 | 0·0 | 0·0 |
| 4th Quarter, 1905 | 15 | 38·4 | 4 | 10·2 | 200·0 | 0·0 | 0·0 |
| Total for year | 33 | 21·2 | 20 | 12·8 | 181·1 | 0·0 | 0·0 |

## TABLE III.

AGES AT DEATH.

| | 1st Quarter. | 2nd Quarter. | 3rd Quarter. | 4th Quarter. | Total. | Rate per 1000 |
|---|---|---|---|---|---|---|
| Under 1 year old | 0 | 3 | 0 | 3 | 6 | 181 per 1000 Births. |
| Over 1 year and under 5 years | 0 | 1 | 1 | 0 | 2 | 1·2 |
| ,, 5 ,, ,, 15 ,, | 0 | 1 | 0 | 0 | 1 | ·6 |
| ,, 15 ,, ,, 25 ,, | 1 | 0 | 0 | 0 | 1 | ·6 |
| ,, 25 ,, ,, 65 ,, | 3 | 1 | 0 | 1 | 5 | 3·2 |
| Of 65 years and upwards (2 over 80 years) | 2 | 3 | 0 | 0 | 5 | 3·2 |
| Total | 6 | 9 | 1 | 4 | 20 | 12·8 |
| Death Rate on Estimated Population | 15·4 | 23·1 | 2·5 | 10·2 | 12·8 | |
| Birth Rate ,, ,, | 15·4 | 18·0 | 12·8 | 38·4 | 21·2 | |
| Infantile Death Rate per 1,000 Births | 0·0 | 200·0 | 0·0 | 200·0 | 181 | |

## TABLE IV.

### CAUSES OF DEATH.

| | 1st Quarter. | 2nd Quarter. | 3rd Quarter. | 4th Quarter. | Total. | Rate per 1000 |
|---|---|---|---|---|---|---|
| I.—ORDINARY DISEASES 20 = 12·8 per 1,000) | | | | | | |
| Diseases of the Respiratory System | 2 | 3 | 0 | 0 | 5 | 3·2 |
| ,, ,, Circulatory ,, | 1 | 0 | 0 | 1 | 2 | 1·2 |
| ,, ,, Nervous ,, | 1 | 2 | 0 | 0 | 3 | 1·9 |
| Consumption of Lungs (Phthisis) | 0 | 0 | 0 | 0 | 0 | 0·0 |
| Other Tubercular Affections .. | 1 | 0 | 0 | 0 | 1 | ·6 |
| Cancer .. .. .. .. | 0 | 1 | 0 | 0 | 1 | ·6 |
| Accident .. .. .. .. | 1 | 0 | 1 | 0 | 2 | 1·2 |
| Premature Birth .. .. .. | 0 | 1 | 0 | 2 | 3 | 1·9 |
| Old Age .. .. .. .. | 0 | 0 | 0 | 0 | 0 | 0·0 |
| Other Diseases .. .. .. | 0 | 2 | 0 | 1 | 3 | 1·9 |
| II.—EPIDEMIC OR PREVENTIBLE DISEASES. | 0 | 0 | 0 | 0 | 0 | |
| Total .. .. .. .. | 6 | 9 | 1 | 4 | 20 | |
| Death Rate per 1,000 .. | 15·4 | 23·1 | 2·5 | 10·2 | 12·8 | |

## TABLE V.

### CASES OF INFECTIOUS DISEASES NOTIFIED.

| | At all Ages. | Under 1 Year | 1—5 Years. | 5—15 Years. | 15—25 Years | 25—65 Years. | 65 Years & upwards |
|---|---|---|---|---|---|---|---|
| Diphtheria .. .. .. | 1 | .. | .. | 1 | .. | .. | .. |
| Erysipelas .. .. .. | 2 | .. | .. | .. | .. | .. | 2 |

Sanitary Inspector's

# REPORT.

## Tickhill Urban District Council.

Work for the Year,

1905.

# SANITARY INSPECTOR'S REPORT

Tickhill, January 13th, 1906.

Dear Sir,

The following is my Report on the Sanitary work done in the year 1905 for the Urban District of Tickhill:—

272 yards of 6in. drains (private) laid.
87 ,, 4in. ,, ,, ,,
22 Gullies and Grates.
5 New Ashes Pits.
5 New Privies.
5 Wells cleaned out.
All the Main Sewers disinfected and flushed.
Several nuisances abated.
Sewage Tanks cleaned out.

All premises where affected with infectious diseases thoroughly cleaned and disinfected.

Plans passed for Bungalow and house for Edward White, and alterations to the Carpenter's Arms.

I am, Sir,

Yours truly,

**R. H. RAWSON.**

To C. J. Russell McLean,
Medical Officer of Health,
Doncaster,